

ABSTRACT

Methods and apparatus for implementing a phone system providing a local wireless connection and a wide area wireless connection. In one implementation, a phone system includes: a terminal unit comprising: a first antenna, a first modem connected to said first antenna, a second antenna, a second modem connected to said second antenna, a modem
5 interface connected to said first modem and to said second modem; wherein said first modem provides a first air interface using said first antenna for short range communication, said second modem provides a second air interface using said second antenna, and said second air interface is different than said first air interface.